

DROP TEST

TOTAL CHLORINE (1 drop = 1 ppm)

Instr. #5376

COMPONENTS:

- 1 x 4026 Dipper Spoon, 2 g, plastic, white
- 1 x 4078 Pipet, Graduated (.05 & 1.0 mL) w/ cap, plastic
- 1 x 5376 Instruction
- 1 x 9198 Sample Tube, Graduated (25 mL) w/ cap, plastic
- 1 x R-0636-C Starch Indicator Solution, DB
- 1 x R-0664-C Bleach Reagent #1
- 1 x R-0665S-II Bleach Reagent #2
- 1 x R-0747-C Sodium Thiosulfate, DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE
800-TEST KIT (800-837-8548).

PROCEDURE:

CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

Total Chlorine Test

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Using 1.0 mL pipet (#4030), add 1 pipetful (as much as can be drawn up by means of the bulb) R-0664 Bleach Reagent #1. Swirl to mix.
3. Using 2 g dipper spoon (#4026), add 1 level dipper R-0665S Bleach Reagent #2. Swirl until dissolved. Sample will turn deep yellow (Fig. 1) or brown (Fig. 2) if chlorine is present.
4. Add R-0747 Sodium Thiosulfate dropwise, swirling and counting after each drop, until color changes from deep yellow or brown to pale yellow (Fig. 3).
5. Add 10 drops R-0636 Starch Indicator Solution. Swirl to mix. Sample will turn blue (Fig. 4).
6. Continue adding R-0747 Sodium Thiosulfate dropwise, swirling and counting after each drop, until color changes from blue to colorless.
7. Record total drops of R-0747 Sodium Thiosulfate (Steps 4 & 6) as parts per million (ppm) total chlorine (Cl_2).



Fig. 1



Fig. 2



Fig. 3

(OVER)

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Fig. 4



31 Loveton Circle, Sparks, MD 21152 USA
800-TEST KIT (837-8548) • 410-472-4340

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